

SEQUENCE LISTING

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Ovaska, Martti  
Tenhunen, Jukka  
Vidgren, Jukka  
Yliperttula-Ikonen, Marjo  
Tilgmann, Carola  
Lotta, Timo  
Kaivola, Juha

<120> Compounds for Deactivating Phospholamban Function on  
Ca-ATPase (Phospholamban Inhibitors)

<130> 1102.0250001

<140>

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<150> 08/937,117

<151> 1997-09-24

<160> 10

<170> PatentIn Ver. 2.0

<210> 1

<211> 52

<212> PRT

<213> Homo sapiens

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Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser  
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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe  
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Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile

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Val Met Leu Leu

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<213> Sus sp.

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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe

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Val Met Leu Leu

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<210> 3

<211> 52

<212> PRT

<213> Canis sp.

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Met Asp Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser

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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe

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Val Met Leu Leu

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<213> Oryctolagus cuniculus

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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe

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Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile

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Val Met Leu Leu

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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe

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Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile

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Val Met Leu Leu  
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Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser  
1 5 10 15

Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe  
20 25 30

Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile  
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Val Met Leu Leu  
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Thr Leu Glu Val Asn Pro Gln Ala Arg Gln Arg Leu Gln Glu Leu Phe  
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Val Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile  
35 40 45

Val Met Leu Leu

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<212> PRT  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: cyclic peptide pI

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<221> OTHER  
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<223> Xaa is preferably Tyr or Ala

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Cys Xaa Trp Glu Leu Glu Trp Leu Pro Cys Ala  
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<212> PRT  
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of phospholambam peptide

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Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser  
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Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe  
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Ile Asn Phe Cys  
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<223> Description of Artificial Sequence: linear or cyclic peptide cP226

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Cys Tyr Trp Glu Leu Glu Trp Leu Pro Cys Ala

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[illegible]

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